ABSTRACT:

The invention relates to a novel transparent block copolymer and its process for the manufacture. The process comprises a first partial killing of at least the living copolymeric species $R-S_1-B_1-M$ with a multi-functional deactivation agent where S_1 is a monovinyl-substitued aromatic homopolymer, B_1 is a conjugated diene homopolymer, M is an alkali metal and R an alkyl (RM being an initiator) and further comprises a second total deactivation of at least the living tapered block copolymeric species $R-S_1-B_1-B_2/S_2-M$ (obtained by adding a feed B_2/S_2 to the reaction medium) by a mono-functional deactivation agent (the terminating agent).